Gulf of Mexico Harmful Algal Bloom Bulletin

30 August 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

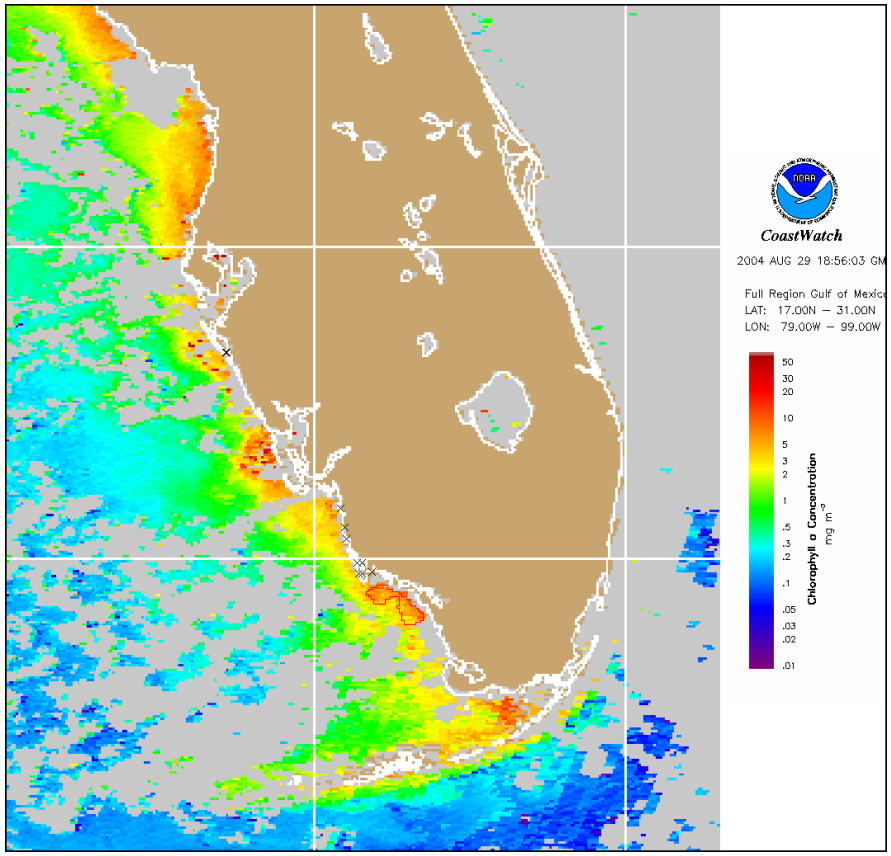
Last bulletin: August 24, 2004

Analysis

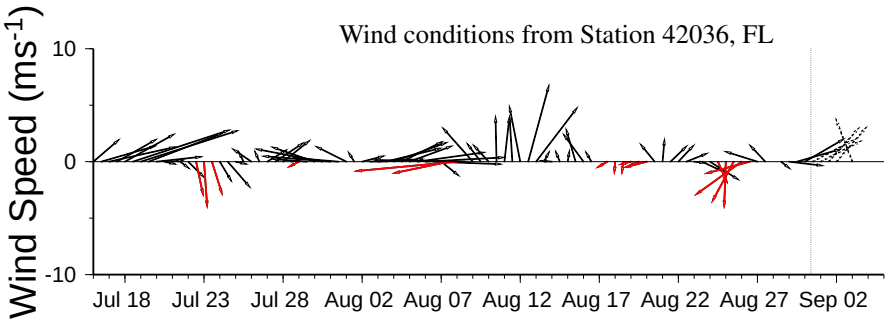
The post-Charley (non-harmful) chlorophyll bloom persists from Tampa to Naples. This bloom may have intensified somewhat Aug 29, probably temporarily. South of Cape Romano, the probable diatom bloom has decreased. In NW Florida, no evidence for a new bloom.

SW Florida: While upwelling occurred for 2 days last week, it was coupled with no evidence of Karenia offshore from cruise through Aug 20. This indicates only a slight probability of Karenia at end of last week. No intensification Aug 26 to 28. Slight intensification on Aug 29 occurred separate from upwelling, and is not significant.

--Stumpf

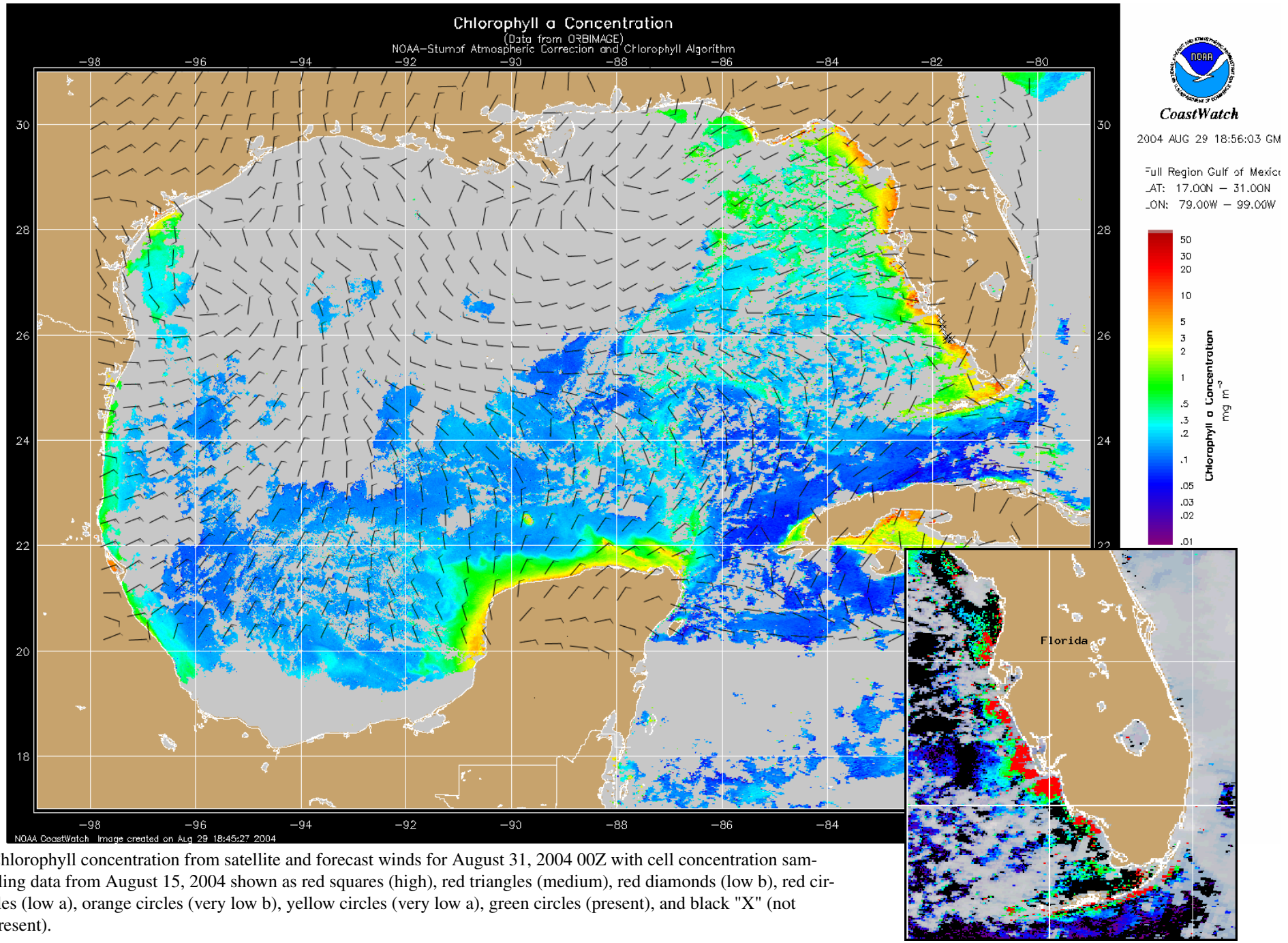


Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

South winds expected through week. NE at end of week.



Chlorophyll concentration from satellite and forecast winds for August 31, 2004 00Z with cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)